

## **[Abstract]**

### **[Summary]**

5           Method for coding moving picture according to the  
present invention, in a moving picture coding system using  
multiple reference picture, a reference picture index of the  
frame macroblock is determined at a macroblock level by  
determining the reference picture index of frame unit at a  
10   picture (or slice) level and respectively allocating a lower  
index and a higher index to a top reference field and a  
bottom reference field while sequentially visiting the  
reference frames according to an order of reference picture  
index of frame unit, the top and bottom field indexes being  
15   giving by an equation:

          top reference field index = 2 x picture index of  
reference frame; and

          bottom reference field index = 2 x picture index of  
reference frame + 1.

20           Also, Method for coding moving picture according to the  
present invention, in a moving picture coding system using  
multiple reference picture, a reference picture index of the  
frame macroblock is determined at a macroblock level by  
determining the reference picture index of frame unit at a  
25   picture (or slice) level and respectively allocating a lower  
index and a higher index to a top reference field and a  
bottom reference field while sequentially visiting the  
reference frames according to an order of reference picture  
index of frame unit, the top and bottom field indexes being  
30   giving by an equation:

          top reference field index = 2 x picture index of  
reference frame + 1; and

          bottom reference field index = 2 x picture index of  
reference frame.

### **[Representative Drawing]**

Fig.8